

AMENDMENTS TO THE SPECIFICATION:

- The paragraph beginning on Page 1, Line 10:

In order to provide various functions for interactive multimedia contents services, in the field for providing bidirectional communication services, for example, in the field of moving picture expert group (MPEG)-4 system (ISO/IEC JTC 1/SC 29/WG11 14496-1), various technologies for enabling those services are being standardized. To satisfy various requirements from users who receive multimedia contents services, those systems are providing functions for each multimedia contents provider processing various events occurring at ~~users-sides~~ user's sites, through an upstream channel of each multimedia contents provider.

- The paragraph beginning on Page 2, Line 11:

Meanwhile, an MPEG-4 system providing bidirectional communication services enables ~~to use~~ the use of an upstream channel provided by each multimedia content provider in processing various events occurring in a user terminal. However, more specifically, for example, in various interactive multimedia contents services such as providing three-dimensional scenes for users, and receiving a request of processing some nodes in a scene from a user, the MPEG-4 system does not propose how to process the user request using the upstream channel.

- The paragraph beginning on Page 2, Line 28:

To accomplish the above object of the present invention, there is provided a user request processing method, using an upstream channel, after a three-

dimensional scene generated based on a binary format, is transmitted from a server to a terminal, the user request processing method having the steps of (a) setting downstream/upstream channels between the server and the terminal as initialization; (b) the terminal forming an upstream channel message if a user request of predetermined processing of a predetermined object ~~is occurred~~ occurs in a scene transmitted from the server to the terminal through the downstream channel, and transmitting the message to the server through the upstream channel; (c) the server receiving the upstream channel message, interpreting the message, processing the message as the user request of predetermined processing, and transmitting the result to the terminal; and (d) the terminal substituting the processing result of step (c) for the predetermined object in the scene transmitted in step (b), and providing it to the user.

- The paragraph beginning on Page 7, Line 25:

Next, the server 300 receives and interprets upstream channel information, processes it as user's request of predetermined processing, and transmits the result to the terminal 310 in step 150. Finally, the terminal 310 provides newly ~~substituted~~ substituted node(s) for the user, by displaying node(s), which ~~was~~ were processed in step 150 according to the user's request, in step 160.

- The paragraph beginning on Page 9, Line 11:

First, the upstream channel message receiver 500 receives an upstream channel message (~~Upstream_Channel_Message()~~) (Upstream_Channel_Message()) through the upstream channel. The node interpreter 505 confirms a NodeID in the

upstream channel message. Then, the node interpreter 505 confirms whether or not the confirmed NodeID is for a node contained in the BIFS scene, the structure of the subject node indicated by the NodeID, and information on nodes directly dependent on this node.

- The paragraph beginning on Page 9, Line 17:

Subject nodes to be processed are defined by a NodeID. When necessary, the node indicated by the NodeID and nodes dependent thereon are defined as subject nodes. At this time, if the confirmed NodeID does not exist in the BIFS scene to be processed, the node interpreter 505 stops execution. If the confirmed NodeID is for all nodes in the BIFS scene, ~~the~~ then all nodes in the scene are defined as subject nodes.